

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439613

Luminaire Tested: CB3-D-125U-085D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439613
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-125U-085D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

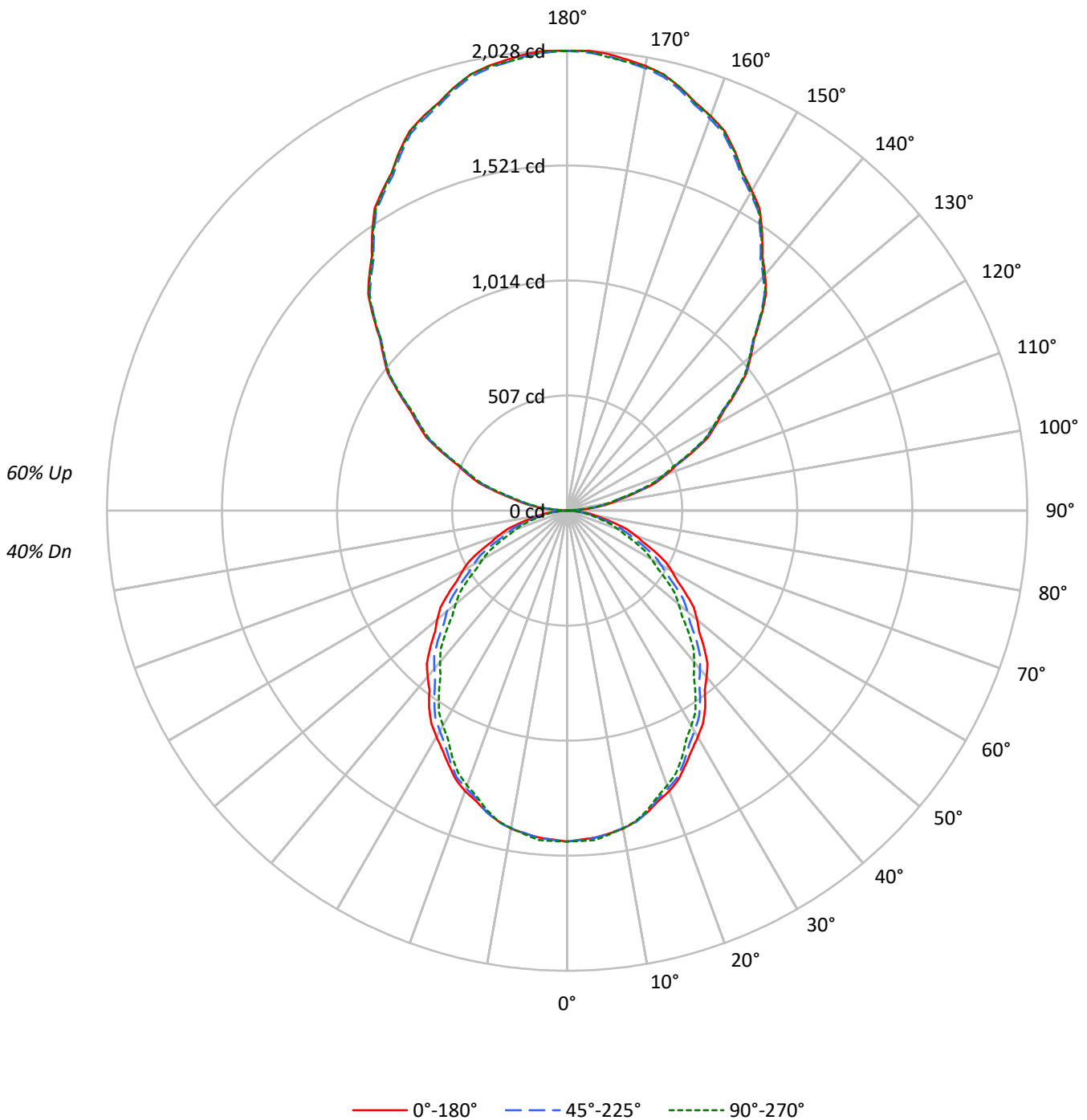
Lumens per Lamp: N/A
Luminaire Lumens: 8710.6 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 62.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
RC	80									70									50									30									10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0														
RCR																																						
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40																				
1	96	92	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34																				
2	87	80	74	69	79	73	68	64	60	56	53	48	46	43	37	35	34	29																				
3	80	70	63	58	72	64	58	53	53	49	45	43	39	37	33	31	29	25																				
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25	21																				
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	24	22	18																				
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16																				
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17	14																				
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	15	13																				
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12																				
10	46	34	27	22	42	31	25	21	27	22	18	22	18	15	17	15	13	11																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16501	16501	16501
5°	16423	16435	16547
10°	16351	16328	16328
15°	16102	16102	16004
20°	15841	15679	15523
25°	15423	15230	14959
30°	15046	14654	14302
35°	14650	14107	13605
40°	14122	13448	12868
45°	13643	12865	12070
50°	13151	12167	11292
55°	12613	11491	10552
60°	12034	10794	9717
65°	11357	10000	8838
70°	10576	9071	7873
75°	9591	7961	7012
80°	8360	6672	6203
85°	6452	5647	5647

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13643 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.6	1.6
10°-20°	386.6	4.4
20°-30°	561.2	6.4
30°-40°	637.9	7.3
40°-50°	619.3	7.1
50°-60°	522.8	6.0
60°-70°	372.0	4.3
70°-80°	198.7	2.3
80°-90°	52.5	0.6
90°-100°	85.6	1.0
100°-110°	335.0	3.8
110°-120°	597.0	6.9
120°-130°	807.9	9.3
130°-140°	928.8	10.7
140°-150°	932.1	10.7
150°-160°	801.6	9.2
160°-170°	542.6	6.2
170°-180°	191.4	2.2
0°-30°	1085.5	12.5
0°-40°	1723.4	19.8
0°-60°	2865.4	32.9
0°-90°	3488.7	40.1
90°-120°	1017.6	11.7
90°-150°	3686.4	42.3
90°-180°	5222.0	59.9
0°-180°	8710.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1458	1458	1458	1458	1458	
5°	1446	1464	1447	1445	1457	137
15°	1375	1387	1375	1366	1366	387
25°	1235	1240	1220	1203	1198	569
35°	1061	1050	1021	991	985	661
45°	853	839	804	765	754	658
55°	639	622	582	545	535	572
65°	424	409	374	340	330	420
75°	219	207	182	163	160	234
85°	50	46	44	44	44	59
90°	0	0	0	0	0	5
95°	82	75	67	62	64	94
105°	325	323	312	308	304	347
115°	609	612	598	596	595	604
125°	907	918	900	896	898	811
135°	1209	1221	1201	1192	1204	932
145°	1498	1510	1485	1478	1491	936
155°	1748	1763	1734	1726	1745	804
165°	1930	1946	1920	1910	1930	544
175°	2021	2039	2012	2000	2007	192
180°	2026	2026	2026	2026	2026	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1458.4	1458.4	1458.4	1458.4	1458.4
2.5°	1451.0	1465.5	1452.6	1454.4	1457.6
5°	1446.0	1464.2	1447.0	1445.2	1456.9
7.5°	1434.8	1451.4	1433.6	1429.4	1438.6
10°	1423.2	1441.4	1421.2	1416.1	1421.2
12.5°	1402.5	1421.6	1405.4	1397.1	1401.3
15°	1374.6	1386.7	1374.6	1366.3	1366.3
17.5°	1340.5	1353.2	1330.3	1324.5	1321.9
20°	1315.6	1326.8	1302.2	1293.8	1289.2
22.5°	1282.5	1292.8	1272.4	1257.0	1252.8
25°	1235.4	1239.5	1219.9	1203.2	1198.2
27.5°	1189.7	1190.7	1163.8	1143.6	1136.9
30°	1151.6	1152.6	1121.6	1099.8	1094.7
32.5°	1113.5	1110.5	1081.1	1055.1	1051.7
35°	1060.6	1050.5	1021.3	991.1	985.0
37.5°	996.6	990.6	956.1	925.9	916.7
40°	956.1	946.0	910.5	880.3	871.2
42.5°	915.5	903.8	867.5	834.0	824.0
45°	852.6	839.4	804.0	765.4	754.3
47.5°	789.3	774.9	735.9	698.6	686.2
50°	747.1	731.9	691.2	654.7	641.5
52.5°	704.0	688.0	647.3	610.0	599.3
55°	639.4	622.2	582.5	545.1	534.9
57.5°	574.9	557.9	518.4	482.9	470.8
60°	531.8	515.7	477.0	441.5	429.4
62.5°	488.0	472.6	434.8	400.2	388.8
65°	424.2	409.1	373.5	340.2	330.1
67.5°	361.1	348.2	313.1	282.5	274.4
70°	319.7	307.6	274.2	246.1	238.0
72.5°	280.0	267.0	235.3	211.4	205.7
75°	219.4	207.2	182.1	163.4	160.4
77.5°	163.9	154.0	132.2	121.6	120.0
80°	128.3	119.2	102.4	95.2	95.2
82.5°	95.2	87.7	76.8	73.7	73.7
85°	49.7	45.6	43.5	43.5	43.5
87.5°	14.9	14.9	14.1	13.2	13.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	22.4	19.9	12.4	9.9	9.9
95°	82.3	74.7	66.8	62.2	63.7
97.5°	151.9	144.6	134.9	130.2	131.4
100°	200.4	194.3	183.3	178.7	178.7
102.5°	247.6	244.0	233.0	228.4	229.6
105°	324.7	323.2	312.3	307.5	304.5
107.5°	409.8	407.1	394.9	394.5	391.8
110°	464.5	463.0	452.1	450.5	449.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	520.4	522.6	510.5	508.9	507.4
115°	609.0	612.0	598.1	596.5	595.0
117.5°	699.7	704.0	689.2	687.6	684.8
120°	758.1	767.3	748.8	747.2	745.7
122.5°	817.8	825.7	808.5	805.7	805.4
125°	907.3	917.9	899.5	896.4	898.0
127.5°	996.8	1007.7	990.6	984.4	987.8
130°	1056.4	1068.6	1050.2	1044.1	1048.7
132.5°	1117.3	1129.5	1111.1	1105.1	1112.1
135°	1208.7	1220.8	1200.9	1191.9	1204.0
137.5°	1297.9	1308.5	1286.7	1280.4	1293.2
140°	1356.3	1366.9	1343.8	1336.4	1351.6
142.5°	1413.4	1425.3	1399.8	1392.4	1408.8
145°	1497.7	1509.8	1485.2	1477.8	1491.4
147.5°	1578.4	1590.9	1566.0	1557.3	1571.3
150°	1628.2	1641.8	1615.7	1608.3	1623.5
152.5°	1676.6	1691.5	1664.2	1655.6	1674.4
155°	1747.8	1763.0	1733.8	1726.4	1744.7
157.5°	1811.8	1825.8	1799.4	1791.9	1807.7
160°	1850.3	1865.5	1837.9	1830.5	1848.8
162.5°	1883.9	1899.1	1873.9	1864.1	1882.3
165°	1929.5	1946.3	1920.2	1909.8	1929.5
167.5°	1967.8	1985.7	1958.1	1948.6	1968.4
170°	1990.1	2006.8	1979.3	1967.3	1987.0
172.5°	2005.0	2021.8	1994.2	1982.1	1995.7
175°	2021.2	2039.4	2011.9	1999.6	2007.2
177.5°	2028.4	2042.9	2020.9	2010.1	2027.1
180°	2025.9	2025.9	2025.9	2025.9	2025.9



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.89	16.66	16.93	17.70	19.11	14.81	15.58	15.85	16.62	18.03
	3H	17.55	18.24	18.60	19.29	20.72	16.22	16.90	17.27	17.96	19.38
	4H	18.17	18.83	19.23	19.88	21.32	16.73	17.38	17.79	18.44	19.87
	6H	18.55	19.15	19.62	20.21	21.66	17.04	17.64	18.11	18.70	20.15
	8H	18.69	19.26	19.76	20.34	21.78	17.16	17.73	18.24	18.81	20.25
	12H	18.75	19.30	19.83	20.37	21.83	17.23	17.78	18.31	18.85	20.31
4H	2H	16.28	16.94	17.35	17.99	19.43	15.42	16.08	16.49	17.13	18.57
	3H	18.17	18.71	19.24	19.79	21.24	17.04	17.58	18.11	18.66	20.11
	4H	18.91	19.41	19.99	20.48	21.95	17.64	18.14	18.72	19.21	20.68
	6H	19.41	19.84	20.50	20.93	22.39	18.05	18.47	19.14	19.57	21.03
	8H	19.60	20.00	20.69	21.09	22.56	18.21	18.61	19.30	19.70	21.18
	12H	19.69	20.05	20.80	21.15	22.64	18.32	18.68	19.42	19.78	21.26
8H	4H	19.03	19.43	20.12	20.52	22.00	17.89	18.29	18.98	19.38	20.86
	6H	19.65	19.98	20.76	21.11	22.58	18.42	18.75	19.53	19.88	21.35
	8H	19.92	20.21	21.04	21.32	22.82	18.67	18.96	19.79	20.07	21.57
	12H	20.08	20.34	21.21	21.45	22.98	18.84	19.10	19.96	20.21	21.74
12H	4H	19.00	19.36	20.11	20.47	21.95	17.89	18.25	19.00	19.35	20.84
	6H	19.66	19.95	20.78	21.07	22.56	18.47	18.76	19.59	19.88	21.37
	8H	19.96	20.21	21.08	21.32	22.85	18.75	19.01	19.87	20.12	21.65